

Notice of Allowability

Application No.

09/828,695

Examiner

Paul Callahan

Applicant(s)

BRICKELL, ERNIE F.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed September 13, 2007.
2. ☒ The allowed claim(s) is/are 1-10, 12-19, 21-28, 31, 32, 34, 36, and 39-54.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


EMMANUEL L. MOISE
SUPERVISORY PATENT EXAMINER

DETAILED ACTION

1. Claims 1-10, 12-19, 21-28, 31, 32, 34, 36, and 39-54 are pending and have been examined. This Office Action is responsive to the Applicant's amendment filed September 13, 2007.

Allowable Subject Matter

2. Claims 1 -10, 12-19, 21-28, 31, 32, 34, 36, and 39-54 are allowed.

3. The following is an examiner's statement of reasons for allowance:

The prior art in the field does not teach the combination of features found in the independent claims, particularly including:

As per claims 1 and 23, defining a set of values and a key able to be derived from the values and a pre-defined relationship between the values, storage of a first value of the set together with information encrypted under the key, and sending a second value of the set to a first delegate authorized to access the encrypted information, all in combination with the other claim limitations,

As per claim 10, the step of providing secured information and a first access component to a requestor that is a first delegate authorized to access the information, all in combination with the other claim limitations,

As per claim 18, the steps of; receiving information from a server that is encrypted using a key derivable from a first access component and a second access component, receiving a first access component from a client, receiving a second access component from a source different from a server or a client, all in combination with the other claim limitations.

As per claims 25 and 54, the steps of; receiving from a client, a value of a set of values, information encrypted by a key derivable from the set of values and a predefined relationship between the values, storing the information and the value, and transmitting the information and the value to a first delegate authorized by the client to access the information, all in combination with the other claim limitations.

As for claim 39, the steps of generating a first and a second set of values and a key, the key being derivable from the values of the sets using the values of the set and a predefined relationship between the values of the set, sending a first value of the first set and information encrypted with the key to a server for storage, and sending a second value of the first set to a first delegate, sending a first value of the second set to the server, and sending a second value of the second set to a second delegate, all in combination with the other claim limitations.

As for claim 42, defining a set of at least three values and a key able to be derived from the values and a pre-defined relationship between the values, storage of a

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first value of the set together with information encrypted under the key, and sending a second value of the set to a first delegate, all in combination with the other claim limitations.

As for claim 43, the use of a first value that is associated with a descriptor of a first delegate, all in combination with the other claim limitations.

As for claims 44 and 52, defining a set of values and a key able to be derived from the values and a pre-defined relationship between the values, storage of a first value of the set together with information encrypted under the key at a server, and sending a second value of the set to a first delegate, where the probability of guessing the key correctly using only one value of the set is the same as the probability guessing the key correctly using none of the values of the set, all in combination with the other claim limitations.

As for claim 46, the steps of deriving a key using a first access component and a second access component and a predefined relationship between them, storing information encrypted with the key and the first access component on a server, storing a third access component on the server where the key can be derived using the third value, a fourth value, and a predefined relationship between them.

As for claim 53, storing a second value that is a member of a second set of values, where the key may be derived from the values of the second set and a predetermined relationship between them, and deleting or denying access to the second value in response to a trigger, where the trigger is a client instruction, a time limit, a request from a delegate, or a security breach, all in combination with the other claim limitations.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul E. Callahan whose telephone number is (571) 272-3869. The examiner can normally be reached on M-F from 9 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the Examiner's supervisor, Emmanuel Moise, can be reached on (571) 272-3865. The fax phone number for the organization where this application or proceeding is assigned is: (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for

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published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).



/Paul Callahan/

November 19, 2007


EMMANUEL E. MOISE
SUPERVISORY PATENT EXAMINER